

ABSTRACT OF THE DISCLOSURE

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A system for receiving a signal is provided. The system includes a receiver that is operable to receive the signal, but which may also receive a noise signal. A duty cycle system is connected to the receiver. The duty cycle system can turn the receiver off and on at a controllable frequency. A signal strength system is also connected to the receiver, and is further connected to the duty cycle system. The signal strength system can determine the signal strength of the signal received by the receiver. If the signal strength indicates that the noise signal is not being received, the signal strength system generates control commands to the duty cycle system that cause the duty cycle system to cycle various components of the receiver that are used to suppress noise on and off, so as to conserve power.

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